| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|----------|------|--|---|---------------------|---------|------------------|
| L20 | 2 | ("6429096").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/11 09:46 |
| L21 | 2 | ("6627988").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/11 09:48 |
| L22 | 10 | ("20010009302" "5229643" "5554887" "5903052" "5920117" "6184580" "6219243" "6259156"). PN. OR ("6627988").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/09/11 09:47 |
| L23 | 2 | ("6376769").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/11 09:58 |
| L24 | 91 | ("3555364" "4734825" "5043794" "5148265" "5172303" "5192716" "5286926" "5347159" "5367764" "5371654" "5375041" "5386341" "5394303" "5473119" "5483421" "5548091" "5558928" "5570504" "5583321" "5665473" "5672548" "5682061" "5685885" "5686699" "5734555" "5777379" "5783870" "5794330" "5798564" "5801439" "5848467" "5861666" "5875545" "5901041" "5915170" "5926369" "5929517" "5943213" "5950304" "6108210"). PN. OR ("6376769"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/09/11 09:51 |
| L25 | 2 | ("6673651").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/11 09:59 |
| L26 | 15 | ("5239198" "5668405" "5866949" "5880590" "5895965" "5925934" "6031292" "6083776" "6166443" "6201302" "6229215" "6259154" "6326696" "6404049").PN. OR ("6673651").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/09/11 10:03 |

9/11/06 12:51:01 PM
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| L27 | 2 | ("6673651").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; | OR | OFF | 2006/09/11 10:03 |
|-----|------|---|---|----|-----|------------------|
| | | | DERWENT; IBM_TDB | | | |
| L28 | 2 | "20020070458" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/11 10:03 |
| L29 | 75 | ("4413308" "4581680" "4641222" "4707657" "5077598" "5137461" "5148266" "5258330" "5352926" "5367435" "5369551" "5414298" "5435732" "5450290" "5451720" "5453580" "5473120" "5477082" "5477933" "5483421" "5491303" "5509815" "5586010" "5598033" "5690270" "5700549" "5738531" "5800184" "5829988" "5880890").PN. OR ("6050832"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/09/11 10:33 |
| L31 | 55 | @ad<="20040330" and "flexible" with interposer with solder with ball | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/11 10:42 |
| L32 | 48 | @ad<="20040330" and "flexible" with interposer with "solder ball" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/11 11:03 |
| L33 | 25 | @ad<="20040330" and "flexible interposer" same "solder ball" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/11 11:49 |
| L34 | 2 | ("6830463").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/11 11:49 |
| S1 | 2 | "20040201096" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/20 09:03 |
| S2 | 2289 | @ad<="20040330" and (257/678). ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/20 09:13 |

| S3 | 2099 | @ad<="20040330" and | US-PGPUB: | OR | ON | 2005/10/20 09:04 |
|-----------|------|---|---|----|-----|------------------|
| 33 | 2099 | (257/697-698).ccls. | USPAT; EPO; JPO; DERWENT; IBM_TDB | | OIN | 2000/10/20 09.04 |
| S4 | 1585 | @ad<="20040330" and (257/700). ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/20 09:04 |
| S5 | 1913 | @ad<="20040330" and (257/784). ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/20 09:38 |
| S6 | 1756 | @ad<="20040330" and (257/786). ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/20 09:07 |
| S7 | 10 | @ad<="20040330" and 'flexible' same 'wiring circuit' and 'solder ball' and 'printed circuit board' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/20 09:16 |
| S8 | 1 | "6580031".PN. | USPAT; USOCR | OR | ON | 2005/10/20 09:10 |
| S9 | 1 | "6580031".PN. | USPAT; USOCR | OR | ON | 2005/10/20 09:11 |
| S10 | 6144 | @ad<="20040330" and (361/749-750).ccls. or (361/760). ccls. or (361/792).ccls. or (361/795).ccls. or (257/686).ccls. or (257/685).ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/20 09:16 |
| S11 | 21 | @ad<="20040330" and 'flexible' same 'wiring substrate' and 'solder ball' and 'printed circuit board' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/20 09:20 |
| S12 | 864 | S10 and 'flexible' with 'substrate' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/20 09:17 |
| S13 | 235 | @ad<="20040330" and 'wiring substrate' and 'solder ball' and 'printed circuit board' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 11:38 |
| S14 | 1 | "6285081".PN. | USPAT; USOCR | OR | ON | 2005/10/20 09:30 |
| S15 | 1 | "6181569".PN. | USPAT; USOCR | OR | ON | 2005/10/20 09:30 |

| S16 | 1 | "6114187".PN. | USPAT; USOCR | OR | ON | 2005/10/20 09:31 |
|-----|------|--|---|----|-----|------------------|
| S17 | 1 | "6005292".PN. | USPAT; USOCR | OR | ON | 2005/10/20 09:31 |
| S18 | 1 | "5900738".PN. | USPAT; USOCR | OR | ON | 2005/10/20 09:33 |
| S19 | 1 | "5414371".PN. | USPAT; USOCR | OR | ON | 2005/10/20 09:33 |
| S20 | 1 | "5086337".PN. | USPAT; USOCR | OR | ON | 2005/10/20 09:33 |
| S21 | 3938 | @ad<="20040330" and (257/773-774).ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/20 09:38 |
| S22 | 931 | @ad<="20040330" and ('wiring board' or 'wiring tape') and 'solder ball' and ('printed circuit board' or 'PCB') | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/20 10:15 |
| S23 | 6 | @ad<="20040330" and ('wiring board' or 'wiring tape') and 'solder ball' and ('printed circuit board' or 'PCB') and 'metal stud' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/20 10:15 |
| S24 | 10 | @ad<="20040330" and ('wiring board' or 'wiring tape') and 'solder ball' and ('printed circuit board' or 'PCB') and 'metal' with 'stud' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/20 10:16 |
| S25 | 8 | @ad<="20040330" and ('wiring board' or 'wiring tape') and 'solder ball' and ('printed circuit board' or 'PCB') and 'metal' with 'plug' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/20 10:16 |
| S26 | 180 | @ad<="20040330" and ('wiring board' or 'wiring tape') and 'solder ball' and ('printed circuit board' or 'PCB') and 'metal' with 'bump' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/20 11:15 |
| S27 | 2 | ("6329610").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/20 10:56 |
| S28 | 9 | (("5811982") or ("5914614") or ("6329827") or ("6722032")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/20 11:08 |

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| S29 | 1 | "5177438".PN. | USPAT; USOCR | OR | ON | 2005/10/20 10:58 |
| S30 | 1 | "5576630".PN. | USPAT; USOCR | OR | ON | 2005/10/20 10:58 |
| S31 | 4 | (("6288905") or ("6376769")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/20 11:08 |
| S32 | 951 | @ad<="20040330" and 'flexible' with 'substrate' and 'copper' and 'solder ball' and ('printed circuit board' or 'PCB') | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/20 11:16 |
| S33 | 353 | @ad<="20040330" and 'flexible' with 'substrate' and 'copper' and 'solder ball' and 'PCB' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/20 11:16 |
| S34 | 51 | @ad<="20040330" and 'wiring substrate' and 'copper' and 'solder ball' and 'PCB' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/20 11:25 |
| S35 | 233 | @ad<="20040330" and 'wiring board' and 'copper' and 'solder ball' and 'PCB' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON . | 2005/10/20 11:17 |
| S36 | 4 | @ad<="20040330" and 'wiring tape' and 'copper' and 'solder ball' and 'PCB' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/20 11:17 |
| S37 | 0 | @ad<="20040330" and 'flxibel' same 'substrate' and 'copper' with 'pillar' and 'solder ball' and 'PCB' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/20 11:25 |
| S38 | 0 | @ad<="20040330" and 'flxibel' same 'substrate' and 'copper' and 'solder ball' and 'PCB' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/20 11:25 |
| S39 | 0 | @ad<="20040330" and 'flexible' same 'substrate' and 'copper' with 'pillar' and 'solder ball' and 'PCB' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/20 11:26 |

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| S40 | 425 | @ad<="20040330" and 'flexible' same 'substrate' and 'copper' and 'solder ball' and 'PCB' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/20 11:28 |
| S41 | 6 | @ad<="20040330" and 'flexible' same 'substrate' and 'copper' same 'pillar' and 'solder ball' and 'PCB' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/20 11:26 |
| S42 | 105 | @ad<="20040330" and 'flexible' same 'substrate' and 'copper' same 'bump' and 'solder ball' and 'PCB' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/20 11:57 |
| S43 | 5 | @ad<="20040330" and 'flexible' same 'substrate' and 'copper' with 'stud' and 'solder ball' and 'PCB' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/20 11:28 |
| S44 | 1 | "6010769".PN. | USPAT; USOCR | OR | ON | 2005/10/20 11:36 |
| S45 | 1 | "5876842".PN. | USPAT; USOCR | OR | ON | 2005/10/20 11:39 |
| S46 | 1 | "5744758".PN. | USPAT; USOCR | OR | ON | 2005/10/20 11:39 |
| S47 | 1 | "5600103".PN. | USPAT; USOCR | OR | ON | 2005/10/20 11:40 |
| S48 | 1 | "5510216".PN. | USPAT; USOCR | OR | ON | 2005/10/20 11:40 |
| S49 | 67 | @ad<="20040330" and 'tape' same 'interposer' and 'copper' and 'solder ball' and 'PCB' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/20 12:12 |
| S50 | 2 | ("6081026").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/10/20 12:06 |
| S51 | 1 | "5854534".PN. | USPAT; USOCR | OR | ON | 2005/10/20 12:09 |
| S52 | 96 | @ad<="20040330" and 'flexible' same 'interposer' and 'copper' and 'solder ball' and 'PCB' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/20 12:12 |
| S53 | 80 | @ad<="20040330" and 'flexible' with 'interposer' and 'copper' and 'solder ball' and 'PCB' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/10/20 12:12 |

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| S54 | 2 | @ad<="20040330" and "wiring substrate" same "solder ball" same "PCB" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 11:39 |
| S55 | 1267 | @ad<="20040330" and "wiring substrate" same ("solder ball" or "bump") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 11:39 |
| S56 | 13 | @ad<="20040330" and "wiring substrate" same ("bump") same "plug" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 11:41 |
| S57 | 1032 | @ad<="20040330" and "wiring substrate" same "bump" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 11:41 |
| S59 | 1234 | @ad<="20040330" and "wiring board" same "solder bump" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 11:41 |
| S60 | 246 | @ad<="20040330" and "wiring board" with "bump" same "copper" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 11:45 |
| S61 | 101 | @ad<="20040330" and "wiring circuit board" with "bump" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 11:50 |
| S62 | 2 | @ad<="20040330" and "wiring circuit board" and "plug" with "solder ball" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 11:51 |
| S63 | 16 | @ad<="20040330" and "wiring circuit board" and "metal" with "solder ball" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 11:51 |
| S64 | 30 | @ad<="20040330" and "wiring circuit board" and "bump" with "solder ball" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 11:51 |

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